

WHAT IS CLAIMED IS:

1.A method of scrolling window screen by means of controlling electronic device, which at least has a touch device, comprising following steps:

5 (A)providing "N" press zones, and the "N" being designated as an integer at least 1; and

(B)Detecting the "N" press zones and controlling the window screen scrolling along a "J" direction once a "J" press zone has been detected being pressed.

10 2. The method of scrolling window screen by means of controlling electronic device as defined in claim 1, wherein "J" in step (A) represents an integer between 1 and N and the direction "J" means a direction upward, downward, leftward, rightward or one of any
15 other directions.

3. The method of scrolling window screen by means of controlling electronic device as defined in claim 2, wherein N=2 in step (A) and the touch device is provided with a first press zone and a second press zone and when the first press zone is
20 detected to have been pressed, the window screen is controlled to scroll in a first direction and when the second press zone is detected to have been pressed, the window screen is controlled to scroll in a second direction in step (B).

4. The method of scrolling window screen by means of
25 controlling electronic device as defined in claim 3, wherein the first direction is opposite to the second direction.

5. The method of window screen scrolling for controlling electronic device as defined in claim 4, wherein the first and second directions are moving upward and downward direction
30 respectively.

6. The method of window screen scrolling for controlling

electronic device as defined in claim 4, wherein the first and second directions are moving leftward and rightward.

5 7. The method of window screen scrolling for controlling electronic device as defined in claim 3, wherein the window screen at a lateral side thereof is further provided with a scroll bar and when the first press zone is pressed, the window screen is controlled to scroll in the first direction and when the second press zone is pressed, the window screen is controlled to scroll in the second direction in step (B).

10 8. The method of scrolling window screen by means of controlling electronic device as defined in claim 3, wherein the first and second press zones further comprises a plurality of speed zones respectively and each of the speed zones is provided with different scrolling speeds in step (A) and when one of the speed zones is pressed, the window screen is controlled to scroll in a direction belonged to a press zone of said speed zone with the scroll speed of said speed zone in step (B).

15 9. The method of scrolling window screen by means of controlling electronic device as defined in claim 8, wherein the speed zones nearer center of the touch device provide slower scrolling speeds and the speed zones farther from the center of the touch device provide faster scrolling speeds in step (A).

20 10. The method of scrolling window screen scrolling by means of controlling electronic device as defined in claim 8, wherein the speed zones nearer center of the touch device provide faster scrolling speeds and the speed zones farther from the center of the touch device provide slower scrolling speeds in step (A).

25 11. The method of scrolling window screen by means of controlling electronic device as defined in claim 8, wherein the scrolling speed of each of the speed zones can be fixed or variable.

12. The method of scrolling window screen by means of controlling electronic device as defined in claim 3, wherein the first press zone further comprises a first normal speed zone and a first fast speed zone and the second press zone further comprises a second normal speed zone and a second fast speed zone; when the first and second normal speed zones are pressed, the window screen is controlled to scroll along the pressed zones of the normal speed zones and when first and second fast speed zones are pressed, the window screen is controlled to scroll along the pressed zones belonged to the fast speed zones with a speed faster than the normal speed in step (A).

13. The method of scrolling window screen by means of controlling electronic device as defined in claim 3, wherein the scrolling speed of the window screen can be regulated based on number of times and duration of the pressing in case of the first press zone or second press zone having been detected being pressed more than once in step (B).

14. The method of scrolling window screen by means of controlling electronic device as defined in claim 13, wherein the pressing means another short tap or another pressing with longer duration having been detected right after at least a short tap having is detected in step (B).

15. The method of scrolling window screen scrolling by means of controlling electronic device as defined in claim 13, wherein the scrolling speed of the window screen is regulated faster based on to both the number of times and duration of the pressing movement in step (B).

16. The method of scrolling window screen by means of controlling electronic device as defined in claim 13, wherein the scrolling speed of the window screen is regulated slower based on both the number of times and duration of the pressing in step

(B).

17. The method of scrolling window screen scrolling by means of controlling electronic device as defined in claim 13, wherein the window screen stops scrolling based on both the number of times and duration of the pressing in step (B).

18. The method of scrolling window screen scrolling by means of controlling electronic device as defined in claim 3, wherein a pressed position of the first press zone or the second zone is detected and the scrolling speed of the window screen is determined according to the pressed position and the pressed position nearer the center of the touch device provides slower scrolling speeds and the pressed position is farther from the center of the touch device provides faster scrolling speeds in step (B).

19. The method of scrolling window screen scrolling by means of controlling electronic device as defined in claim 3, wherein a pressed position of the first press zone or the second zone is detected and the scrolling speed of the window screen is determined based on the pressed position and the pressed position nearer the center of the touch device provides faster scrolling speeds and the pressed position is farther from the center of the touch device provides slower scrolling speeds in step (B).

20. The method of scrolling window screen by means of controlling electronic device as defined in claim 3, wherein the window screen keeps scrolling in case of the first press zone or the second zone having been detected being pressed.

21. The method of window screen scrolling for controlling electronic device as defined in claim 20, wherein the window screen keeps scrolling till the same press zone being pressed again.

22. The method of scrolling window screen by means of controlling electronic device as defined in claim 20, wherein the window screen keeps scrolling till another pressed zone being pressed.

5 23. The method of window screen scrolling for controlling electronic device as defined in claim 20, wherein the window screen keeps scrolling till an outside area of the pressed zone being pressed.

10 24. The method of window screen scrolling for controlling electronic device as defined in claim 3, wherein at least a special press zone is provided on the touch device and the scroll bar can be reset in case of the special press zone having been detected being in a state of being pressed in step (A).

15 25. The method of window screen scrolling for controlling electronic device as defined in claim 3, wherein the scroll bar can be reset in case of a plurality of press zones having been detected being pressed at the same time in step (A).

20 26. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar is returning to a beginning position, a middle position, another default position done by the system or a position set by the user.

25 27. The method of window screen scrolling for controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means the scrolling speed of the scroll bar is returned to a default state.

30 28. The method of window screen scrolling for controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means opening or closing scrolling function of the first press zone or the second press zone.

controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means changing the scrolling direction of the first press zone and/or the second press zone.

5 30. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means the window screen stopping scrolling.

10 31. The method of window scrolling screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means the last time scrolling is repeated on the window screen and the repeated movement contains direction, speed, and/or distance of the scrolling.

15 32. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means the window screen keeps scrolling with the direction and speed of the last scrolling.

20 33. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means allowing the window screen to page up, page down, scroll upward or scroll downward.

25 34. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means generating electronic signal of single tap or double tap.

30 35. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means generating

repeated drag movement for the cursor of the mouse done last time.

36. The method of scrolling window screen by means of controlling electronic device as defined in claim 24 or 25, wherein a state of resetting the scroll bar means generating electronic signal of repeated tap and drag done last time.

37. The method of scrolling window screen by means of controlling electronic device as defined in claim 35, wherein $N=4$ and the touch device is provided with an upward scroll zone, a downward scroll zone, a leftward scroll zone and rightward scroll zone in step (A) and the window screen is controlled to scroll upward or downward in case of the upward scroll zone or the downward scroll zone having been detected being pressed and the window screen is controlled to scroll leftward or rightward in case of the rightward scroll zone or the leftward scroll zone having been detected being pressed.

38. An electronic device, comprising:

at least a screen, displaying at least a window screen;

at least a touch device, providing N press zones, the N being an integer of at least 1 and the press zones can be detected; and

a processing unit, electrically connecting with the screen and the touch device and controlling the window screen scrolling in a J direction in case of the a J press zone in the N press zones being touched.

39. The electronic device as defined in claim 38, wherein the J represents an integer between 1 and N and the J direction can represent a direction upward, downward, leftward, rightward or any of other arbitrary directions.

40. The electronic device as defined in claim 38, wherein $N=2$ and the touch device is provided with a first press zone and a second press zone and when the treatment unit has learned the

first press zone is pressed, the window screen is controlled to scroll in a first direction and when the treatment has learned the second press zone being pressed, the window screen is controlled to scroll in a second direction, which is different from the first direction.

41. The electronic device as defined in claim 40, wherein the first direction is opposite to the second direction.

42. The electronic device as defined in claim 41, wherein the first direction and the second direction are upward and downward directions respectively.

43. The electronic device as defined in claim 41, wherein the first direction and the second direction are rightward and leftward directions respectively.

44. The electronic device as defined in claim 40, wherein the window screen at a lateral side thereof further provides a scroll bar and when the first press zone is pressed, the processing unit allows the scroll bar moving along the first direction and when the second press zone is pressed, the processing zone allows the scroll bar moving along the second direction.

45. The electronic device as defined in claim 40, wherein the first and second press zone further comprises a plurality of speed zone and each of the speed zone can be provided with different scroll speeds and when one of the speed zones is pressed, the processing unit controls the window screen scrolls along a scroll direction of a press zone belonged to the speed zone with a speed of the speed zone.

46. The electronic device as defined in claim 45, wherein the speed zones nearer to the center of the touch device provide slower scroll speed and farther from the center of the touch device provide faster scroll speed.

47. The electronic device as defined in claim 45, wherein

the speed zones nearer to the center of the touch device provide faster scroll speed and farther from the center of the touch device provide slower scroll speed.

48. The electronic device as defined in claim 45, wherein the scroll speed of each of the speed zones can be fixed or variable.

49. The electronic device as defined in claim 40, wherein the first press zone further comprises a first normal speed zone and a first fast speed zone and the second press zone further comprises a second normal speed zones and a second fast speed zone; when the first or second normal speed is pressed, the processing unit controls the window screen scrolls toward a press zone belonged to the normal speed zone with a normal speed and when the first or second fast speed zone is pressed, the processing unit controls the window screen scrolls toward a press zone belonged to the fast speed zone with a speed faster than the normal speed.

50. The electronic device as defined in claim 40, wherein the scrolling speed of the window screen can be regulated based on the number of times and duration of the pressing while the first press zone or second press zone has been detected being pressed more than once.

51. The electronic device as defined in claim 50, wherein the pressing means the touch device detects another short tap right or another longer pressing after at least a short tap being detected.

52. The electronic device as defined in claim 50, wherein the processing unit regulates the scrolling speed of the window screen faster based on the number of times and duration of the pressing.

53. The electronic device as defined in claim 50, wherein

the processing unit regulates the scroll speed of the window screen slower based on the number of times and duration of the pressing.

5 54. The electronic device as defined in claim 50, wherein the processing unit stops scrolling of the window screen based on the number of times and duration of the pressing.

10 55. The electronic device as defined in claim 50, wherein the touch device detects the pressed position of the first press zone or the second press zone and the processing unit determines the scroll speed of the window screen based on the pressed position and the scroll speed gets slower in case of the pressed position getting nearer the touch device and the scroll speed gets faster in case of the pressed position getting farther from the touch device.

15 56. The electronic device as defined in claim 50, wherein the touch device detects the pressed position of the first press zone or the second press zone and the processing unit determines the scroll speed of the window screen based on the pressed position and the scroll speed gets faster in case of the pressed position getting farther from the touch device and the scroll speed gets slower in case of the pressed position getting nearer the touch device.

20 57. The electronic device as defined in claim 50, wherein the processing unit allows the window screen to keep scrolling in case of the touch device having detected the first press zone or the second press zone being pressed.

25 58. The electronic device as defined in claim 58, wherein the processing unit allows the window screen to keep scrolling till the same press zone being pressed again.

30 59. The electronic device as defined in claim 57, wherein the processing unit allows the window screen to keep scrolling

till another press zone being pressed again.

60. The electronic device as defined in claim 57, wherein the processing unit allows the window screen to keep scrolling till outside area of the press zone being pressed.

5 61. The electronic device as defined in claim 40, wherein the touch device is further provided at least a special press zone and the processing unit resets the scroll bar in case of the touch device having detected the special press zone being pressed.

10 62. The electronic device as defined in claim 40, wherein the touch device is further provided at least a special press zone and the processing unit resets the scroll bar in case of the touch device having detected a plurality of press zones being pressed at the same time.

15 63. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar is returning to a beginning position, a middle position, another default position done by the system or a position set by the user.

20 64. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means the scrolling speed of the scroll bar is returned to a default state.

 65. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means opening or closing scrolling function of the first press zone or the second press zone.

25 66. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means to change the scrolling direction of the first press zone and/or the second press zone.

30 67. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means the window screen stop scrolling.

68. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means last time scrolling is repeated on the window screen and the repeated movement contains direction, speed, and/or distance of the scrolling.

69. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means the window screen keeps scrolling along the direction and speed of last scrolling.

70. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means allowing the window screen to page up, page down, scroll upward or scroll downward.

71. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means generating electronic signal of single tap or double tap.

72. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means generating repeated drag movement for the cursor of the mouse done last time.

73. The electronic device as defined in claim 61 or 62, wherein a state of resetting the scroll bar means generating electronic signal of repeated tap and drag done last time.

74. The electronic device as defined in claim 39, wherein $N=4$ and the touch device is provided with an upward scroll zone, a downward scroll zone, a leftward scroll zone and rightward scroll zone and the processing unit control the window screen to scroll upward or downward in case of the touch device having detected the upward scroll zone or the downward scroll zone being pressed and the processing unit controls the window screen to scroll

leftward or rightward in case of the touch device having detected the rightward scroll zone or the leftward scroll zone being pressed.

5 75. The electronic device as defined in claim 38, wherein the processing unit is loaded with an operation system and application program to form a graphic interface of user with scroll bar.

10 76. The electronic device as defined in claim 38, wherein the processing unit is further loaded with a driver to detect the pressing of the first and second press zone with the touch device.

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